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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/164,426 | 09/30/1998 | WING-KUEN CHUNG | 081862.P109 | 6654 |

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EXAMINER

HARPER, KEVIN C

ART UNIT

PAPER NUMBER

2666

DATE MAILED: 05/21/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/164,426

Applicant(s)

CHUNG ET AL.

Examiner

Kevin C. Harper

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 October 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 44-56, 59-75, 78-83 and 89-111 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 89-111 is/are allowed.
- 6) ☒ Claim(s) 44-49, 59-69 and 78-83 is/are rejected.
- 7) ☒ Claim(s) 50-56 and 70-75 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 10.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Response to Arguments

Applicant's arguments with respect to claims 44-56, 59-75 and 78-83 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 44, 46, 59-64, 66 and 78-83 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang et al. (US 6,118,864).

1. Regarding claims 44, 59-64, 78 and 80-83, Chang discloses a method of operation for a telephone interface control system (Figure 1D, items 50 and 56; col. 7, lines 20-24) that implements a remote telephone extension over a packet data network (abstract, lines 1-10; Figure 1A, item 4; col. 3, lines 36-38). The packet data network couples a remote telephone interface (Figure 1A, item 19) to the telephone interface control system. The telephone interface control system comprises a first telephone interface (Figure 1D, item 50) in which a call made to a remote device is received, a control system (Figure 1D, items 2 and 38-39) that communicates to the remote telephone interface (Figure 5B, step 134) over an interface (Figure 1D, item 2) that inherently receives an indication of a ringing voltage or tip-ground (note: a subscriber telephone, item 14c, goes off-hook to place a call) and generates an off-hook signal (Figure 1D, item 44). The method comprises receiving an inherent ringing voltage or tip-ground signal at the interface, indicating that the ringing voltage or tip-ground signal is appearing at the telephone interface, and calling the remote device over the packet data network (Figure 5B, item 134). The method further comprises providing forwarding on

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ring-no-answer for remote telephone extensions (Figure 5B, steps 130, 160, 164, and 136; col. 3, lines 13-15; col. 15, lines 19-22 and lines 28-37; col. 17, lines 43-46).

2. Regarding claim 46 and 66, the method comprises emulating a tie-line over packet data network (Figure 5, step 136).

3. Regarding claim 79, the call is forwarded to a voice mail system (Figure 5B, item 154).

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 45, 47-49, 65 and 67-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (US 6,118,864).

4. Regarding claim 45, 47-49, 65 and 67-69, Chang does not disclose that the first telephone interface is an FXO interface nor using an private line automatic ringdown. One skilled in the art would recognize that FXO and FXS are common interfaces used to connect telephony devices and that a PLAR is commonly used in maintaining a connection between two telephony devices.

Therefore, it would have been obvious to one skilled in the art at the time the invention was made to use an FXO interface or PLAR in the invention of Chang as a matter of design choice.

Allowable Subject Matter

5. Claims 89-111 are allowed.

6. Claims 50-56 and 70-75 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Harper whose telephone number is 703-305-0139. The examiner can normally be reached weekdays, except Wednesday, from 8:00 AM to 6:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached at 703-305-4366. The fax phone number for Technology Center (TC) 2600 is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service Office for TC 2600 at 703-306-0377.

Kevin C. Harper

A handwritten signature in black ink, appearing to read 'Kevin C. Harper', written over a horizontal line.

May 19, 2003